

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L21	189263	pump	JPO	OR	ON	2010/01/11 09:54
L22	5619	L21 and impeller	JPO	OR	ON	2010/01/11 09:54
L23	2628	L22 and (casing or housing or shroud)	JPO	OR	ON	2010/01/11 09:54
L24	604	L23 and (deflector or vane or ridge or groove or recess or channel)	JPO	OR	ON	2010/01/11 09:54
L25	105	L24 and centrifugal	JPO	OR	ON	2010/01/11 09:54
L26	14	("1718396"   "2245035"   "2265758"   "3096718"   "3340812"   "3447475").PN. OR ("5516261").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/11 09:54
L27	13	("3447475").URPN.	USPAT	OR	ON	2010/01/11 09:54
L28	1221	(415/121.1,121.2).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/11 09:54
L29	14	("2301063"   "3535051"   "3572976").PN. OR ("4349322").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/11 09:54
L30	18	("1634317"   "2066505"   "2644403"   "3447475"   "3535051"   "3881840"   "4023918"   "4349322"   "5106262"   "5171126"   "5209635").PN. OR ("5984629").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/11 09:54
L31	12	("0619675"   "3560106").PN. OR ("4143993").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/11 09:54
L32	31	("3558238").URPN.	USPAT	OR	ON	2010/01/11 09:54
L33	52	(415/58.3).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/11 09:54
L34	4	("3893787"   "5555956"   "6554568"   "6582189").PN. OR ("7338251").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/11 09:54

L35	13	("3893787").URPN.	USPAT	OR	ON	2010/01/11 09:54
L36	84	(415/58.2).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/11 09:54
L37	453	(415/172.1).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/11 09:54
L38	385	(415/174.5).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/11 09:54
L39	1923	(415/203,206).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/11 09:54
L40	676	L39 and pump	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 09:54
L41	116	L40 and spiral	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 09:54
L42	716	(416/186R).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/11 09:54
L43	57	L42 and spiral\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 09:54
L44	127	L40 and spiral\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 09:54

L45	11	L44 not L41	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 09:54
L46	291	(415/224).OCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/11 09:54
L47	154	pump and impeller and spiral	JPO	OR	ON	2010/01/11 09:54
L48	2	((MARTIN) near2 (LINDSKOG)).INV.	US-PGPUB; USPAT	OR	ON	2010/01/11 09:54
L49	1472	(415/175,176).OCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/11 09:54
L50	51	L49 and spiral	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 09:54
L51	34799	centrifugal near2 pump	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 09:54
L52	11978	L51 and impeller	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 09:54
L53	1510	L52 and spiral	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 09:54
L54	1060	L53 and (shroud or \$4plate or disc or disk)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 09:54
L55	109	L54 and spiral\$3.ab.	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 09:54

L56	87	(415/168.3).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/11 09:54
L57	25	("3137237"   "3467449"   "3535051"   "3578874").PN. OR ("4242039").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/11 09:54
L58	295	(415/168.2).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/11 09:54
L59	287	L58 not L56	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 09:54
L60	163	L59 and pump	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 09:54
L61	5385	(grinder or sewage or slurry) adj pump	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 09:54
L62	318	L61 and spiral	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 09:54
L63	17	("1556657"   "3146722"   "3535051"   "3881840"   "4527947"   "4664592"   "4854820").PN. OR ("5209635").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/11 09:54
L64	21	("3146722"   "3190226"   "3535051"   "3759628"   "4475868"   "4527947"   "4556239"   "4664592").PN. OR ("4854820").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/11 09:54
L65	395	(415/218.1,219.1).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/11 09:54

L66	128	L65 and pump	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 09:54
L67	3665	L25 or L26 or L27 or L28 or L29 or L30 or L31 or L32 or L33 or L34 or L35 or L36 or L37 or L38 or L41 or L43 or L45 or L46 or L47 or L48 or L50 or L55 or L56 or L57 or L60 or L62 or L63 or L64 or L66	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 09:54
L68	48	L67 and @pd> = "20090821"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 09:55

**EAST Search History (Interference)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L69	33	(pump and impeller and spiral\$3 and (housing or casing) and (gap or clearance)).clm.	US-PGPUB; USPAT; UPAD	OR	ON	2010/01/11 10:03

**1/ 11/ 10 10:11:39 AM****C:\ Documents and Settings\ redgar\ My Documents\ EAST\ Workspaces\ 10\_576,322.wsp**